

Mission Planning...

*...Provides the Digital Fuel
to Fly the Mission!*





FY2003 MISSION PLANNING OAG OPNAV PERSPECTIVE



11 Feb 03

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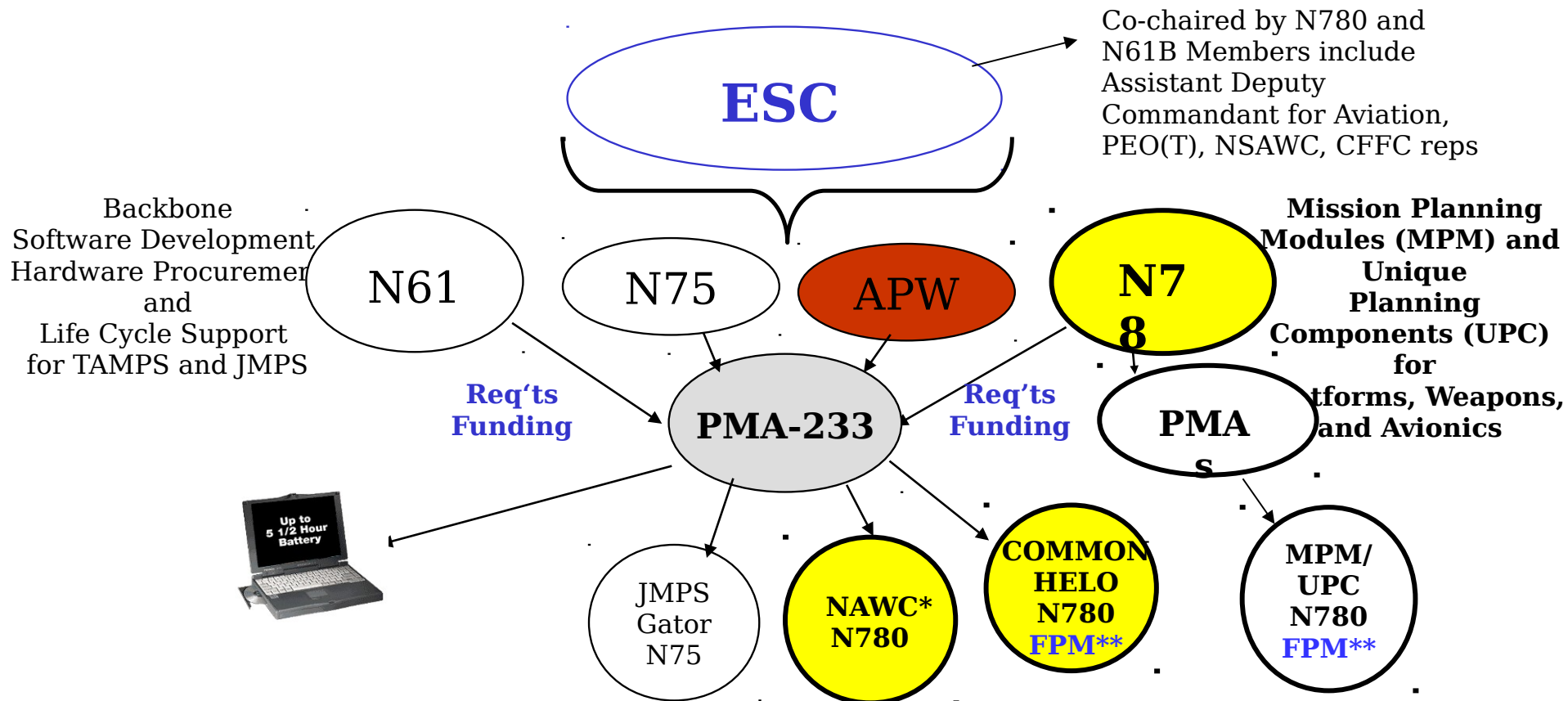
Agenda



- Mission Planning Sponsorship & Direction
- N78 Air Warfare Requirements
- Navy/Marine Mission Planning Requirements Relationship
- Roadmap
- POM-04: How did we do?
- PR05: What's in play?
- Challenges
- Summary



Mission Planning Warfare Sponsorship & Direction



*Naval Aircraft Weapon Engineering Components (NAWC)

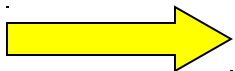
**Flight Performance Module (FPM) development and certification are responsibilities of platform PMAs



N78 Air Warfare Requirements

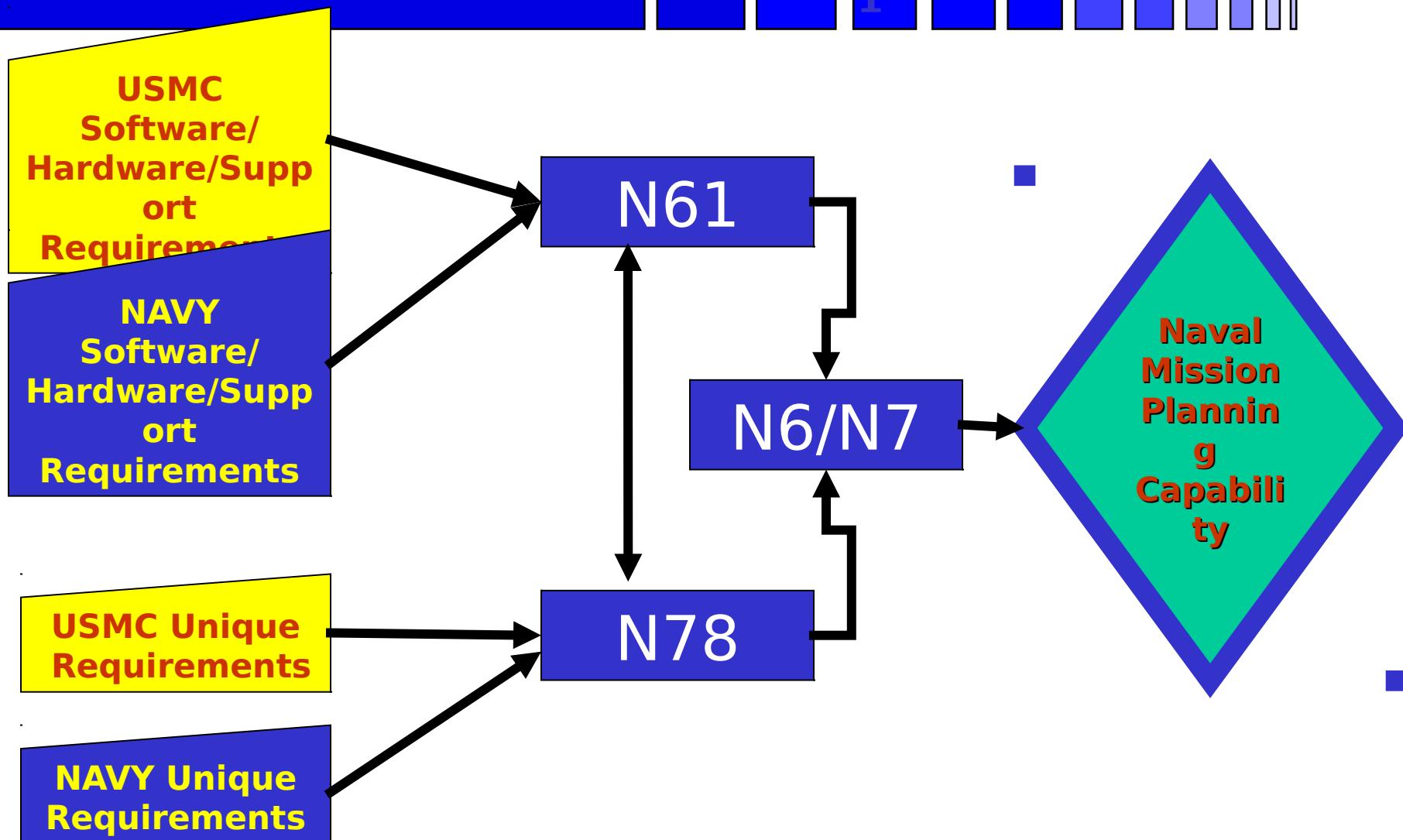


- N780: Plans and Requirements – RDML Kilcline
 - N780C/D Strike A/C and Weapons
 - N780E Helos and Maritime Aircraft
 - N780F Marine Aviation
 - N780G Common Systems – CAPT Rizzo
 - N780G1 Transport Aircraft
 - N780G2 Common Avionics
 - N780G3 Data Links
 - N780G4 Aircrew Systems
 - N780G5 Chem / Bio Warfare
 - **N780G9 MISSION PLANNING**
 - N780X UAVS



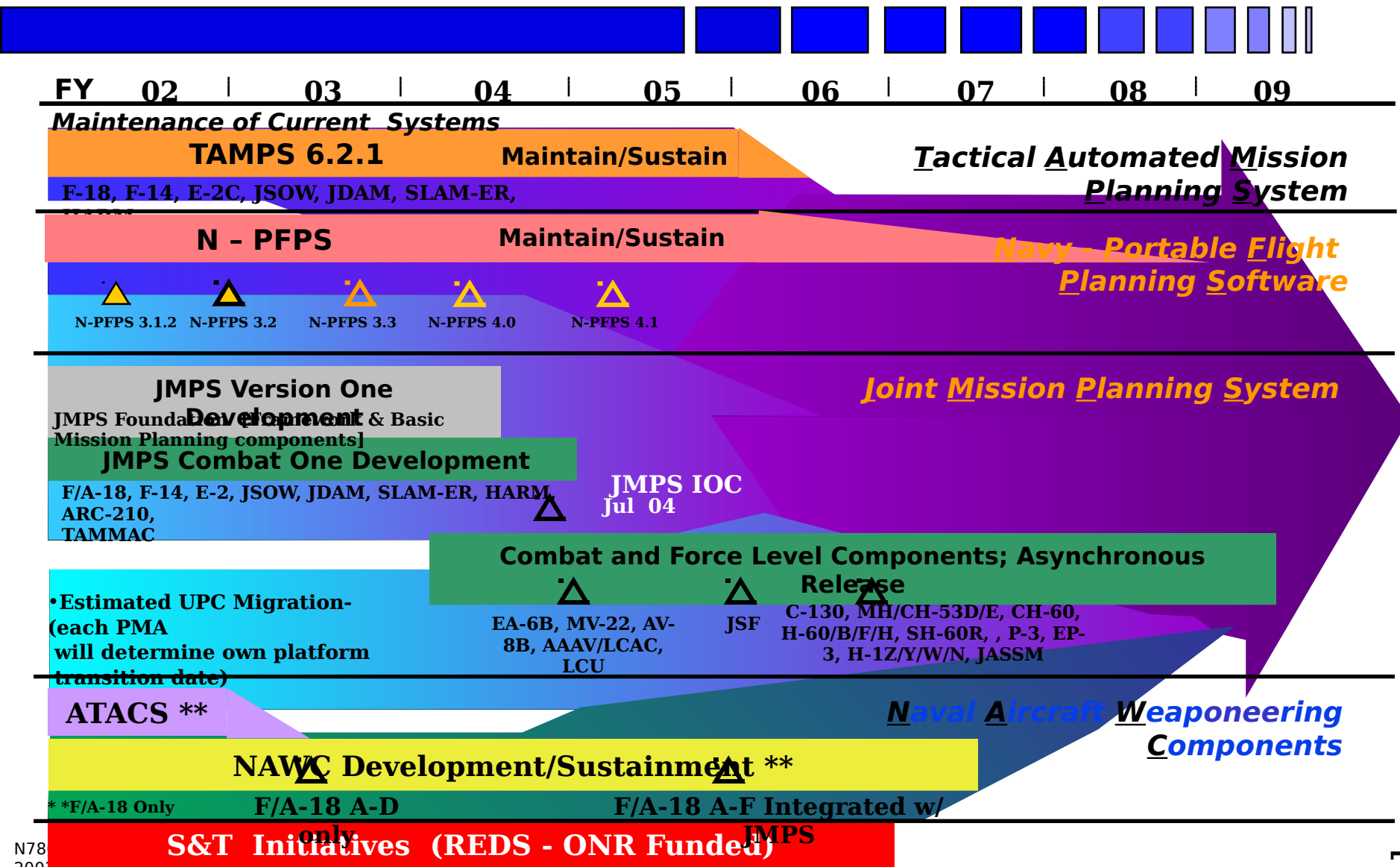


Navy/Marine Mission Planning Requirements Relationship





Roadmap





POM-04: How did we do?

Joint TYCOM Integrated Priority List (IPL)



- “Precision Strike is the centerpiece of Naval Power Projection. In addition to the above discussed systems the development of organic all weather surveillance/targeting systems, Naval Fires Network (NFN) and enablers such as SHARP, UAV/UCAV, TAMMAC, CIT, AESA, JHMCS, and **JMPS** must be pursued. An organic Battle Group self targeting capability, commensurate with weapons capabilities, which would enable reactive self targeting PGMs needs to developed.”

kimmel:

NAWC is an A issue.

Will work further!

NEED AGREED UPON ISSUE SHEET WITH
FUNDING STREAM

How did we do?



- Only funded the F/A-18 unique element of NAWC issue and did not fund the Common element of the issue
- Common Helo R&D sustained
- F/A-18 mission planning funding zeroed

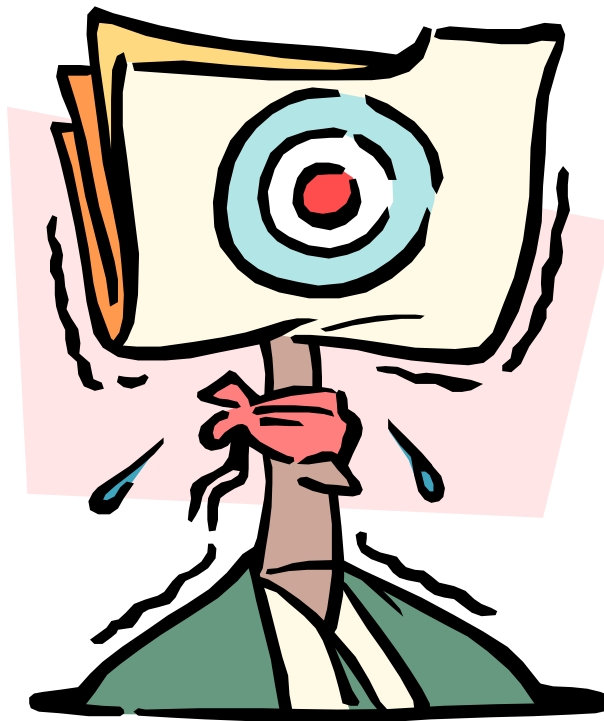
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PR-05: What's going on? Joint TYCOM IPL



- Neither mission planning nor JMPS were addressed!



KimmelR:

The purpose of this slide is to set establish up front what I will tell the Admiral. I realize that NAWC \$ amounts still need to be worked.

n play?



- **Fix**
 - Naval Aircraft Weaponneering Components (NAWC) \$24.788M R&D FY03-09 required
 - F/A-18 mission planning \$12.2M APN-5 FY04-9 required
- **Adjust**
 - E-2C mission planning enhancements for JMPS \$5.430M APN-5 FY05-9 required
- **Cut** - Nothing
- **Preserve** - Common Helo R&D



OAG Challenges

- What capabilities do you want available on your next squadron tour? Your command tour?
- What is your ideal future mission planning capability?



**CDR Rich
Powers:**

Second bullet,
should remove
the word “for”.

Requirements Officers' Challenges



- If the platform wants it they must fund it!
- New engines vs. new software dilemma?
- How to effectively leverage other service's funding?





JMPS Challenges

- JMPS Evolutionary Development to Meet the Needs of Legacy and Future Platforms/Weapons and Sustain Digital Transformation Of Mission Planning
 - Common Capabilities for Joint and Multi-Platform Interoperability
 - Integrated Planning for both Carrier and Expeditionary Strike Groups
 - User Acceptance
 - Reduced Life-Cycle Costs
 - Elimination of Expensive Stove-Pipe Legacy Systems
- Networked Information Technology Systems are a Double-Edged Sword
 - Massive implementation of user friendly intuitive systems still requires sustained fleet support

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Summary



- OPNAV's Focus is for the best balance of priorities – all priorities.
- FLEET needs are heard when they are reflected in IPL!
- Fiscally constrained. Recap is SECNAV's Priority.
- Save the new needs for POM-06!



OPNAV/HQMC Points of Contact



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Questions?





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BACK UP



KimmelR:

Terry, thanks for the corrections.



Common Helo Requirement

FORCE LEVEL
PLANNING
ATO PARSING
STRIKE COORDINATION
STRIKE VISUALIZATION

TACTICAL
PLANNING
COMMON

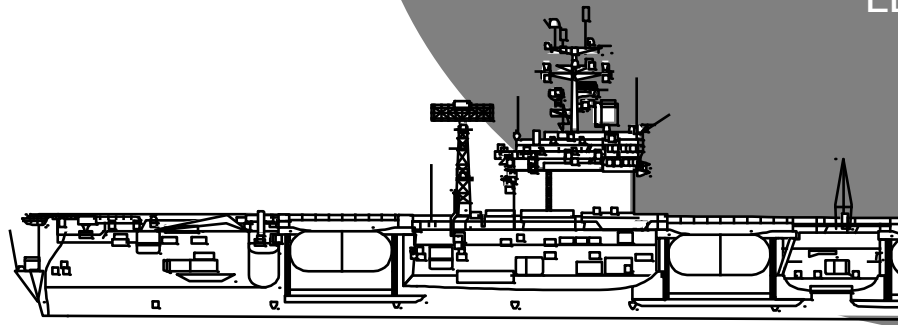
PFPS/JMPS
UNIQUE HELO
INGRESS EGRES
PLANNING,
OBJECTIVE
Unit Level ANALYSIS
Planning

Common Helo sustains Naval Portable Flight Planning Software (N-PFPS) as the interim step to JMPS for Helos and C-130s (19 platforms)

• Transitions Helo capabilities for JMPS FY03 and beyond

- Vertical Profile
- Timeline
- Data loading
- Collaborative planning
- Objective Area Planning
- Mission Preview

• Funding needed to provide helo and assault support platforms an effective PC based mission planning capability prior to and after transitioning to JMPS.





Common Helo Milestones



FY 02 Common Helo Achievements

- PFPS 3.1.2 fielded to correct 3.1.1 deficiencies
- PFPS 3.2 fielded 2Q03 supporting 25 DON aviation platforms
 - Incorporated Geo-rectification tool for all platforms
 - Incorporated weight and power calculator for 5 DON helicopters
- Support of non-precision approach development and operational testing for MH-53
- Coordination of Flight Performance Module development for DON platforms

FY 02-03

- JMPS: migration of specific capabilities from PFPS to JMPS
 - Dataloader for 13 DON platforms
 - Weight and Power calculator for helicopters

FY 04-FY ?

- Sustainment of PFPS for 19 helo/C-130 platforms through JMPS fielding in FY06
- Sole source of funding for incorporation of capabilities into JMPS for helo/C-130
 - Collaborative planning tool-Rapid Response Planning Module
 - Winded Routes

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AMPHIBIOUS READY GROUP (Gator) COMPOSITION

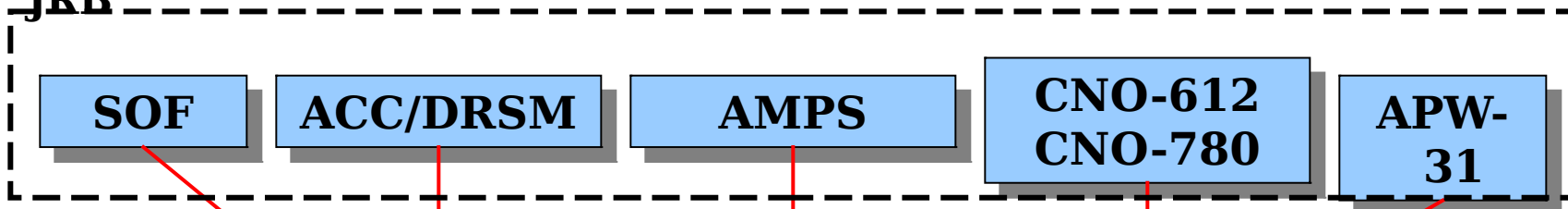
- **GATOR: L-Class ships, LCAC, LCU, AAV/AAAV**
- **All three ships need to be configured for MP**
 - **Multiple Ready Rooms**
 - **Ship Configuration-ISNS**
- **300% ship increase for D-30**
 - **POM'd by Gator**
 - **SPAWAR researching requirements**
- **Importance of servers/networking L-class ships**
 - **AV-8B in '04**
 - **MV-22 in '06**
 - **JSF in '08**



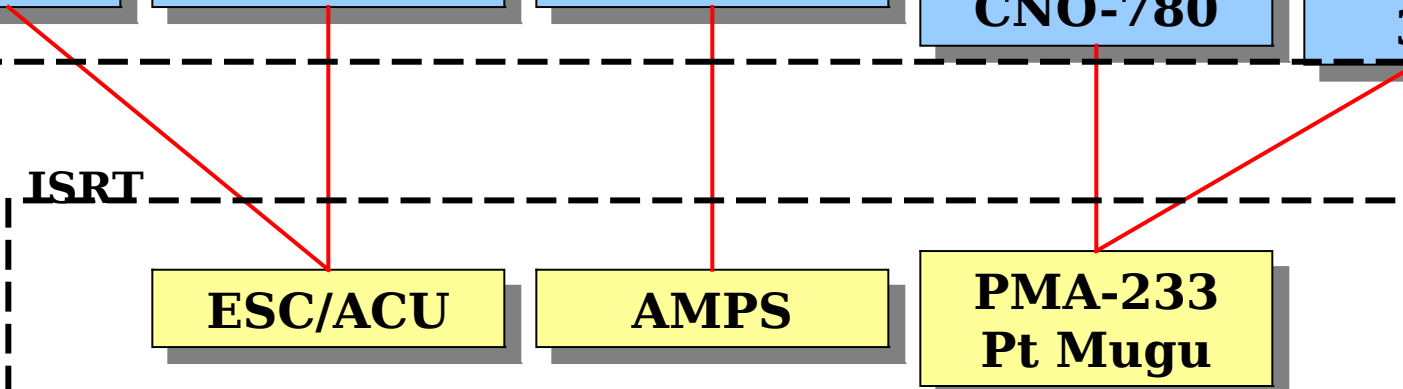
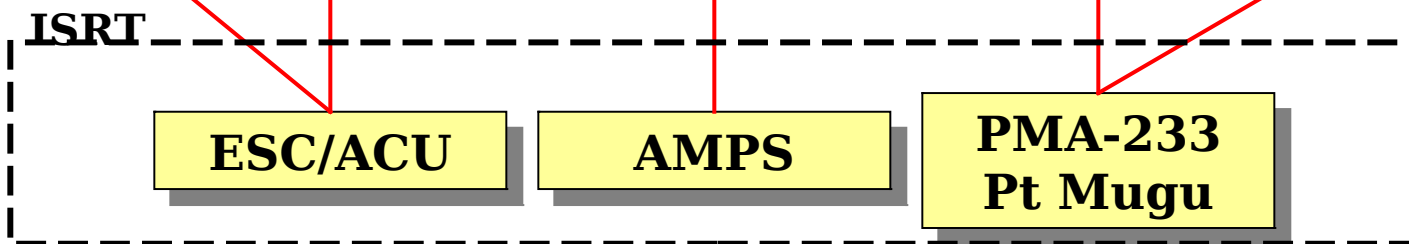
JMPS Requirements Board (JRB) and Integrated Service Requirements Team (ISRT)



JRB



ISRT





The Re-ORG Chart

- N: Pers
- N2: Intel
- N3/N5: Ops
- N4: Readiness
- N6/7: Requirements - VADM Nathman
 - **N70 INTEGRATOR “WARFIGHTING WHOLENESS”**
 - **N61 SPACE, IW, C2**
 - **N75 EXPEDITIONARY WARFARE**
 - N76 Surface
 - N77 Submarines
 - **N78 AIR WARFARE**
- **N8: The Budget Kings**